

Stormwater Harvesting Partnership Program

Partnering for a Greener West

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Why Stormwater Harvesting?



- Reduce dependence on potable water supply
- Increase irrigation without increasing potable water demand
- Add local supply resilience (independent of water restrictions)

2030 Strategy

- Protect waterway health and improve water quality
- Create urban habitats
- Create urban amenity
- Reduce flood risk

Strong strategic alignment (for many of us)

GWW Partnerships Projects



- Partnered to deliver over 500ML of stormwater harvesting (incl CWW and WW)
- That's enough water to intensively irrigate well
 over 100ha of open space

• Started as support for individual projects – since 2018 is now a dedicated program (Rounds 1&2)



GWW Stormwater Harvesting Partnership Program Round 3

Soft launch in April

Open to councils and other open space managers

Direct engagement/project identification

First time for full GWW region

Deliver by June 2028





Process and documentation





- Deliverability Functional design and business case to support delivery by June 2028
- Avoided potable water use Alternative source for the irrigation of public open spaces
- Reduced pollutant loads to waterways and Bay;
- Improve urban landscapes, amenity and liveability; and
- Multiple benefits (e.g. flood resilience, urban heat island reduction etc)
- Ownership, O&M





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Project Delivery

How does it work?

- Projects delivered by Partner
- GWW supports design and review
- Quality assurance during construction
- Commissioning and handover





SWH Design

Non- negotiables

- Design with access and maintenance as first principles
- System must have smarts integrating all components
 (OK for stormwater harvesting PLC to be separate to irrigation control system)^{247 POWE}
- Simple, remote operation of all system components by irrigators
- In-situ multi-parameter water quality probes (raw stormwater inlet)
- Capacity to purge inlet sump and main storage
- · Include penstocks and ability to isolate system components
- Include water meters (harvesting and supply)
- Treatment that meets Australian Guidelines for Water Recycling, preferably with a mix of mechanical and natural infrastructure
- Approved backflow and cross connection prevention measures
- Full potable back-up ALWAYS if open space is irrigation dependent
- If humanly possible a post treatment irrigation buffer storage (creates clean separation between harvesting and irrigation infrastructure)
- Independent design review a must





Operation and Maintenance Models

Co-delivery

- GWW responsible for supply of harvested stormwater
- Key assets operated and maintained by GWW (annual cost recovery fee)





Partner-led delivery

- Partner responsible for supply of harvested stormwater
- Assets operated and maintained by Partner (no annual cost recovery fee)



Edinburgh Gardens

Location: Fitzroy, Yarra City Council Completed: 2019 Yield: 30ML /yr Cost: \$1.72M GWW contribution: \$860k





Balmoral Reserve

Location: Sunshine, Brimbank City Council

Completed: 2023

Yield: 20ML /yr

Cost: \$2.035M

GWW contribution: \$1.0M







In conclusion – We're looking forward to partnering in more of this!!



Thank you

gww.com.au

